BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work : Improvements to roads in Lottegollahalli from RMV Apartments Phase II upto Railway gate in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 10

Item name:- KSRRB M500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. (Page No. 160 / Item No. 21.7 / PWD SR 2015-16)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	LKR Nagar Main Road	Sqm						
	CH 0.00m to 30.00m		1	30	(5.6+5.7)/2		170	
	CH 30.0m to 60.00m		1	30	(5.7+5.3)/2		165	
	CH 60.00m to 65.00m		1	5	(5.3+5)/2		25.8	
	1st Cross LHS				—			
	CH 0.00m to 30.00m		1	30	(4+4.3)/2		125	
	CH 30.0m to 60.00m		1	30	(4.3+4)/2		125	
	CH 60.0m to90.00m		1	30	(4+4.2)/2		123	
	1st Cross RHS				—			
	CH 0.00m to 30.00m		1	30	(4+3.8)/2		117	
	CH 30.0m to 60.00m		1	30	(3.8+3.5)/2		110	
	CH 60.0m to 75.00m		1	15	(3.5+4.6)/2		60.8	
	2nd Cross				—			
	CH 0.00m to 30.00m		1	30	(3.7+4.1)/2		117	
	CH 30.0m to 60.00m		1	30	4.1+3.8)/2		119	
	CH 60.0m to95.00m		1	30	(3.8+3.7)/2		113	
	Yejaman Hanumaiah Layout				—			
	2nd Cross				—			
	CH 0.00m to 30.00m		2	30	(4.2+4.2)/2		252	
	CH 30.0m to 60.00m		2	30	(4.2+3.8)/2		240	
	CH 60.0m to82.00m		2	22	(3.8+3.4)/2		158	
	3rd Cross				—			
	CH 0.00m to 30.00m		1	30	(3.9+4.2)/2		122	
	CH 30.0m to 60.00m		1	30	(4.2+4.1)/2		125	
	CH 60.0m to 88.00m		1	28	4.1		115	
	4th Cross				—			
	CH 0.00m to 30.00m		1	30	(3.9+4.1)/2		120	
	CH 30.0m to 60.00m		1	30	(4.1+4)/2		122	
	CH 60.0m to92.00m		1	32	(4+3.5)/2		120	
					Net Qty		**2740**	

RBI-TECHNICAL SERVICES

Proprietor

2/3/18

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work : Improvements to roads in Lottegollahalli from RMV Apartments Phase II upto Railway gate in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 11

Item name:- KSRRB M500-18: Providing and laying bituminous macadum on prepared surface with crushed coarse ggregates as per design mix formula for base / binding course including loading of aggregates with FE loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. using 100-120 TPH capacity H.M.P with sensor paver grading II (50 to 75mm) with 3.3% VG-30 bitumen. (Item No. 21.11.2, Page No. 161, PWD SR 2015-16)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Mreasurments								
	Yejaman Hanumaiah Layout	Cum						
	3rd Cross							
	CH 0.00m to 30.00m		1	30	(3.9+4.2)/2	0.05	6.0	
	CH 30.0m to 60.00m		1	30	(4.2+4.1)/2	0.05	6.225	
	CH 60.0m to 88.00m		1	28	4.1	0.05	5.74	
					Net Qty		17.97	

For RBI-TECHNICAL SERVICES

Proprietor

25/2/18

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work : Improvements to roads in Lottegollahalli from RMV Apartments Phase II upto Railway gate in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 12

Item name:- KSRRB M500-18: Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 509 complete in all respects as per specifications. using 40-60 TPH capacity H.M.P with mechanical paver Gr-II (30 to 45mm) with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	LKR Nagar Main Road	Sqm						
	CH 0.00m to 30.00m		1	30	(5.6+5.7)/2	0.04	6.78	
	CH 30.0m to 60.00m		1	30	(5.7+5.3)/2	0.04	6.6	
	CH 60.00m to 65.00m		1	5	(5.3+5)/2	0.04	1.03	
	1st Cross LHS							
	CH 0.00m to 30.00m		1	30	(4+4.3)/2	0.04	4.98	
	CH 30.0m to 60.00m		1	30	(4.3+4)/2	0.04	4.98	
	CH 60.0m to90.00m		1	30	(4+4.2)/2	0.04	4.92	
	1st Cross RHS							
	CH 0.00m to 30.00m		1	30	(4+3.8)/2	0.04	4.68	
	CH 30.0m to 60.00m		1	30	(3.8+3.5)/2	0.04	4.38	
	CH 60.0m to 75.00m		1	15	(3.5+4.6)/2	0.04	2.43	
	2nd Cross							
	CH 0.00m to 30.00m		1	30	(3.7+4.1)/2	0.04	4.68	
	CH 30.0m to 60.00m		1	30	4.1+3.8)/2	0.04	4.74	
	CH 60.0m to95.00m		1	30	(3.8+3.7)/2	0.04	4.5	
	Yejaman Hanumaiah Layout							
	2nd Cross							
	CH 0.00m to 30.00m		1	30	(4.2+4.2)/2	0.04	5.04	
	CH 30.0m to 60.00m		1	30	(4.2+3.8)/2	0.04	4.8	
	CH 60.0m to82.00m		1	22	(3.8+3.4)/2	0.04	3.168	
	3rd Cross							
	CH 0.00m to 30.00m		1	30	(3.9+4.2)/2	0.04	4.86	
	CH 30.0m to 60.00m		1	30	(4.2+4.1)/2	0.04	4.98	
	CH 60.0m to 88.00m		1	28	4.1	0.04	4.592	
	4th Cross							
	CH 0.00m to 30.00m		1	30	(3.9+4.1)/2	0.04	4.8	
	CH 30.0m to 60.00m		1	30	(4.1+4)/2	0.04	4.86	
	CH 60.0m to92.00m		1	32	(4+3.5)/2	0.04	4.8	
	For dipresion filling		7	4.1	2	0.04	2.296	
	For camber correction							
	LKR Nagar Main Road							
	1st Cross RHS							
	CH 0.00m to 30.00m		1	30	1.8	0.04	2.16	
	CH 30.0m to 50.00m		1	20	1.8	0.04	1.44	
	CH 60.0m to 75.00m		1	15	1.8	0.04	1.08	
	2st Cross RHS							
	CH 0.00m to 30.00m		1	30	1.5	0.04	1.8	
	CH 30.0m to 60.00m		1	30	1.5	0.04	1.8	
	CH 60.0m to85.00m		1	25	1.5	0.04	1.5	
						Net Qty	108.68	

For RBI-TECHNICAL SERVICES

Proprietor

2/3/18

Assistant Executive Engineer.
Kodigehalli Sub Division,
BBMP.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work : Improvements to roads in Lottegollahalli from RMV Apartments Phase II upto Railway gate in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- E1

Item name:- KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2015-16) EIRL-1

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	LKR Nagar Main Road	Sqm					6.0	
	CH 0.00m to 30.00m		2	30	0.10		6.0	
	CH 30.0m to 60.00m		2	30	0.10		1.0	
	CH 60.00m to 65.00m		2	5	0.10		3.3	
	Middle line		11	3	0.10			
	1st Cross LHS						4.5	
	Middle line		15	3	0.10			
	1st Cross RHS						3.6	
	Middle line		12	3	0.10			
	2nd Cross						4.8	
	Middle line		16	3	0.10			
	Newton School Road						5.1	
	Middle line		17	3	0.10			
	5th Main 10th Cross Balaji Layout						1.5	
	Middle line		5	3	0.10			
					Net Qty		35.8	

RBI-TECHNICAL SERVICES

Proprietor

JSH08

12/3/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work : Improvements to roads in Lottegollahalli from RMV Apartments Phase II upto Railway gate in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 13								
Item name:-	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.133 of PWDSR 2015-16)							
SL No	**Particulars**	**Unit**	**Nos**	**L**	**B**	**D**	**Qty**	**Remarks**
1	2	3	4	5	6	7	8	9
Date of Mreasurments		**Cum**						
	Qty same as item no 2						234.75	
					Net Qty		**234.75**	

12/3/18

Asst.Engineer Ward no.08 BBMP

RBI-TECHNICAL SERVICES

Proprietor

Asst.Executive Engineer Kodigehalli sub division BBMP

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 1

Item name:- Removing B.S Slab of Drain and stacking Page No. 25 / Item No. 5.32 / PWD SR 2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	Sqm						
	1st Cross							
	CH 0.00m to 20.00m		2	20	0.9		36.0	
	CH 60.00m to 70.00m		2	10	0.9		18.0	
	CH 90.00m to 105.00m		2	15	0.9		27.0	
	2nd Cross				—			
	CH 30.0m to 40.00m		2	10	0.9		18.0	
	CH 90.00m to 105.00m		2	15	0.9		27.0	
	3rd Cross				—			
	CH 20.00m to 30.00m		1	10	0.9		9.0	
	CH 55.00m to 65.00m		1	10	0.9		9.0	
	6th Cross				—			
	CH 10.00m to 15.00m		2	5	0.9		9.0	
	CH 35.0m to 51.00m		2	16	0.9		28.8	
	CP Layout 2nd Cross				—			
	CH 30.0m to 35.00m		2	5	0.9		9.0	
	CH50.00m to 60.00m		2	10	0.9		18.0	
	CH80.00m to 92.00m		2	12	0.9		21.6	
	CH150.00m to 172.00m		2	22	0.9		39.6	
						Net Qty	270.0	

RBI-TECHNICAL SERVICES

Proprietor

7/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 4

Item name:- KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 141 / Item No. 19.1/ PWD SR 2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Desilting	Cum						
	Muneshwara Layout							
	1st Cross							
	CH 0.00m to 30.00m		2	30	0.5	0.5	15.00	
	CH 30.0m to 60.00m		2	30	0.5	0.5	15.00	
	CH 60.00m to 90.00m		2	30	0.5	0.5	15.00	
	CH 90.00m to 105.00m		2	15	0.5	0.5	7.50	
	2nd Cross							
	CH 0.00m to 30.00m		2	30	0.5	0.5	15.00	
	CH 30.0m to 60.00m		2	30	0.5	0.5	15.00	
	CH 60.00m to 90.00m		2	30	0.5	0.5	15.00	
	CH 90.00m to 110.00m		2	20	.0.5	0.5	10.00	
	3rd Cross							
	CH 0.00m to 30.00m		1	30	0.5	0.5	7.50	
	CH 30.0m to 60.00m		1	30	0.5	0.5	7.50	
	CH 60.00m to 75.00m		1	15	0.5	0.5	3.75	
	6th Cross							
	CH 0.00m to 30.00m		2	30	0.5	0.5	15.00	
	CH 30.0m to 60.00m		2	30	0.5	0.5	15.00	
	CH 60.00m to 80.00m		2	20	0.5	0.5	10.00	
	CP Layout 2nd Cross							
	CH 00.0m to 30.00m		2	30	0.5	0.5	15.00	
	CH 30.0m to 60.00m		2	30	0.5	0.5	15.00	
	CH 60.00m to 90.00m		2	30	0.5	0.5	15.00	
	CH 90.00m to 120.00m		2	30	0.5	0.5	15.00	
	CH 120.00m to 150.00m		2	30	0.5	0.5	15.00	
	CH 150.00m to 180.00m		2	30	0.5	0.5	15.00	
	CH 180.00m to 205.00m		2	25	0.5	0.5	12.50	
					Net Qty		**268.75**	

RBI-TECHNICAL SERVICES

Proprietor

9/8/18

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 3

Item name:- Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete - 10.0 cms thick (P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2015-16)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	Sqm						
	1st Cross							
	CH 22.00m to 31.00m		1	9	0.9		8.10	
	CH 50.00m to 60.00m		1	10	0.9		9.00	
	2nd Cross				~~0.9~~			
	CH 15.0m to 23.00m		1	8	0.9		7.20	
	CH 54.00m to 60.00m		1	6	0.9		5.40	
	3rd Cross				~~0.9~~			
	CH 13.00m to 20.00m		1	7	0.9		6.30	
	CH 32.00m to 44.00m		1	12	0.9		10.80	
	6th Cross							
	CH 20.00m to 25.00m		1	5	0.9		4.50	
					Net Qty		**51.30**	

RBI-TECHNICAL SERVICES

Proprietor

19/2

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 2

Item name:- Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25 / Item No. 5.33 / PWD SR 2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	Sqm						
	1st Cross							
	CH 0.00m to 20.00m		2	20	0.9		36.0	
	CH 60.00m to 70.00m		2	10	0.9		18.0	
	CH 90.00m to 105.00m		2	15	0.9		27.0	
	2nd Cross				—			
	CH 30.0m to 40.00m		2	10	0.9		18.0	
	CH 90.00m to 105.00m		2	15	0.9		27.0	
	3rd Cross				—			
	CH 20.00m to 30.00m		1	10	0.9		9.0	
	CH 55.00m to 65.00m		1	10	0.9		9.0	
	6th Cross				—			
	CH 10.00m to 15.00m		2	5	0.9		9.0	
	CH 35.0m to 51.00m		2	16	0.9		28.8	
	CP Layout 2nd Cross				—			
	CH 30.0m to 35.00m		2	5	0.9		9.0	
	CH50.00m to 60.00m		2	10	0.9		18.0	
	CH80.00m to 92.00m		2	12	0.9		21.6	
	CH150.00m to 172.00m		2	22	0.9		39.6	
					Net Qty		270.0	

RBI-TECHNICAL SERVICES

Proprietor

19/2

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 5

Item name:- KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HQM of machineries complete as per specifications. MORTH chapter 5, No. 160 / Item No. 21.3 / PWD SR 2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
		Sqm						
	Muneshwara Layout							
	1st Cross		3	1.8	1.3		7.02	
	2nd Cross		5	2	1.5		15.00	
	3rd Cross		5	1.7	1.5		12.75	
	6th Cross		6	2	1.5		18.00	
	CP Layout 2nd Cross		7	2	1.6		22.40	
					Net Qty		75.17	

RBI-TECHNICAL SERVICES

Proprietor

19/2

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 6

Item name:- KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, Page No. 157 / Item No. 20.18 / PWD SR 2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	Cum						
	1st Cross		3	1.8	1.3	0.2	1.40	
	2nd Cross		5	2	1.5	0.2	3.00	
	3rd Cross		5	1.7	1.5	0.2	2.55	
	6th Cross		6	2	1.5	0.2	3.60	
	CP Layout 2nd Cross		7	2	1.6	0.2	4.48	
					Net Qty		15.03	

. RBI-TECHNICAL SERVICES

Proprietor

22/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 7

Item name:- KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 P. 160 / I. 21.1 PWDSR 2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	**Sqm**						
	1st Cross		3	1.8	1.3		7.02	
	2nd Cross		5	2	1.5		15.00	
	3rd Cross		5	1.7	1.5		12.75	
	6th Cross		6	2	1.5		18.00	
	CP Layout 2nd Cross		7	2	1.6		22.40	
					Net Qty		**75.17**	

RBI-TECHNICAL SERVICES

Proprietor

22/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 8	
Item name:-	KSRRB M500-6: Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502, Page No. 160 / Item No. 21.5 / PWD SR 2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	Sqm						
	1st Cross		3	1.8	1.3		7.02	
	2nd Cross		5	2	1.5		15.00	
	3rd Cross		5	1.7	1.5		12.75	
	6th Cross		6	2	1.5		18.00	
	CP Layout 2nd Cross		7	2	1.6		22.40	
					Net Qty		75.17	

For RBI-TECHNICAL SERVICES

Proprietor

N.O.R 23/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 9

Item name:- KSRRB 500-1.2 : Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. (P. 160 / I. 21.2 PWDSR 2015-16)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	Sqm						
	1st Cross							
	CH 0.00m to 30.00m		1	30	(4.6+4)/2		129	
	CH 30.0m to 60.00m		1	30	(4+3.8)/2		117	
	CH 60.00m to 90.00m		1	30	(3.8+3.5)/2		109.5	
	CH 90.00m to 105.00m		1	15	(3.5+3)/2		48.75	
	2nd Cross							
	CH 0.00m to 30.00m		1	30	(5.2+3.6)/2		132	
	CH 30.0m to 60.00m		1	30	(3.6+3.4)/2		105	
	CH 60.00m to 90.00m		1	30	(3.4+3.4)/2		102	
	CH 90.00m to 110.00m		1	20	(3.4+3.8)/2		72	
	3rd Cross							
	CH 0.00m to 30.00m		1	30	(4.7+3.2)/2		118.5	
	CH 30.0m to 60.00m		1	30	(3.2+4.2)/2		111	
	CH 60.00m to 75.00m		1	15	(4.2+2.5)/2		50.25	
	6th Cross							
	CH 0.00m to 30.00m		1	30	(4.2+4.3)/2		127.5	
	CH 30.0m to 60.00m		1	30	(4.3+4.5)/2		132	
	CH 60.00m to 80.00m		1	20	(4.5+3.8)/2		83	
	CP Layout 2nd Cross							
	CH 00.0m to 30.00m		1	30	6		180	
	CH 30.0m to 60.00m		1	30	(6+6.4)/2		186	
	CH 60.00m to 90.00m		1	30	(6.4+5.1)/2		172.5	
	CH 90.00m to 120.00m		1	30	(5.1+5.4)/2		157.5	
	CH 120.00m to 150.00m		1	30	5.4		162	
	CH 150.00m to 180.00m		1	30	(5.4+4.7)/2		151.5	
	CH 180.00m to 205.00m		1	25	(4.7+5.9)/2		132.5	
					Net Qty		**2579.5**	

RBI-TECHNICAL SERVICES

Proprietor

25/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 10

Item name:- KSRRB M500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. (Page No. 160 / Item No. 21.7 / PWD SR 2015-16)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	Muneshwara Layout	Sqm						
	1st Cross							
	CH 0.00m to 30.00m		1	30	(4.6+4)/2		129	
	CH 30.0m to 60.00m		1	30	(4+3.8)/2		117	
	CH 60.00m to 90.00m		1	30	(3.8+3.5)/2		109.5	
	CH 90.00m to 105.00m		1	15	(3.5+3)/2		48.75	
	2nd Cross							
	CH 0.00m to 30.00m		1	30	(5.2+3.6)/2		132	
	CH 30.0m to 60.00m		1	30	(3.6+3.4)/2		105	
	CH 60.00m to 90.00m		1	30	(3.4+3.4)/2		102	
	CH 90.00m to 110.00m		1	20	(3.4+3.8)/2		72	
	3rd Cross							
	CH 0.00m to 30.00m		1	30	(4.7+3.2)/2		118.5	
	CH 30.0m to 60.00m		1	30	(3.2+4.2)/2		111	
	CH 60.00m to 75.00m		1	15	(4.2+2.5)/2		50.25	
	6th Cross							
	CH 0.00m to 30.00m		1	30	(4.2+4.3)/2		127.5	
	CH 30.0m to 60.00m		1	30	(4.3+4.5)/2		132	
	CH 60.00m to 80.00m		1	20	(4.5+3.8)/2		83	
	CP Layout 2nd Cross							
	CH 00.0m to 30.00m		1	30	6		180	
	CH 30.0m to 60.00m		1	30	(6+6.4)/2		186	
	CH 60.00m to 90.00m		1	30	(6.4+5.1)/2		172.5	
	CH 90.00m to 120.00m		1	30	(5.1+5.4)/2		157.5	
	CH 120.00m to 150.00m		1	30	5.4		162	
	CH 150.00m to 180.00m		1	30	(5.4+4.7)/2		151.5	
	CH 180.00m to 205.00m		1	25	(4.7+5.9)/2		132.5	
					Net Qty		**2579.5**	

RBI-TECHNICAL SERVICES

Proprietor

25/2/18

25/2/18

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 12

Item name:- KSRRB M500-18: Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 509 complete in all respects as per specifications. using 40-60 TPH capacity H.M.P with mechanical paver Gr-II (30 to 45mm) with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments 25/7/18							
	Muneshwara Layout	Cum						
	1st Cross							
	CH 0.00m to 30.00m		1	30	(4.6+4)/2	0.04	5.16	
	CH 30.0m to 60.00m		1	30	(4+3.8)/2	0.04	4.68	
	CH 60.00m to 90.00m		1	30	(3.8+3.5)/2	0.04	4.38	
	CH 90.00m to 105.00m		1	15	(3.5+3)/2	0.04	1.95	
	2nd Cross		1		—			
	CH 0.00m to 30.00m		1	30	(5.2+3.6)/2	0.04	5.28	
	CH 30.0m to 60.00m		1	30	(3.6+3.4)/2	0.04	4.2	
	CH 60.00m to 90.00m		1	30	(3.4+3.4)/2	0.04	4.08	
	CH 90.00m to 110.00m		1	20	(3.4+3.8)/2	0.04	2.88	
	3rd Cross		1			—		
	CH 0.00m to 30.00m		1	30	(4.7+3.2)/2	0.04	4.74	
	CH 30.0m to 60.00m		1	30	(3.2+4.2)/2	0.04	4.44	
	CH 60.00m to 75.00m		1	15	(4.2+2.5)/2	0.04	2.01	
	6th Cross		1			—		
	CH 0.00m to 30.00m		1	30	(4.2+4.3)/2	0.04	5.1	
	CH 30.0m to 60.00m		1	30	(4.3+4.5)/2	0.04	5.28	
	CH 60.00m to 80.00m		1	20	(4.5+3.8)/2	0.04	3.32	
	CP Layout 2nd Cross		1			—		
	CH 00.0m to 30.00m		1	30	6	0.04	7.2	
	CH 30.0m to 60.00m		1	30	(6+6.4)/2	0.04	7.44	
	CH 60.00m to 90.00m		1	30	(6.4+5.1)/2	0.04	6.9	
	CH 90.00m to 120.00m		1	30	(5.1+5.4)/2	0.04	6.3	
	CH 120.00m to 150.00m		1	30	5.4	0.04	6.48	
	CH 150.00m to 180.00m		1	30	(5.4+4.7)/2	0.04	6.06	
	CH 180.00m to 205.00m		1	25	(4.7+5.9)/2	0.04	5.3	
	for depression filling		10	5	1.5	0.04	3	
	Camber correction							

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Proprietor

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	CP Layout 2nd Cross							
	CH 00.0m to 30.00m		1	30	2.4	0.04	2.88	
	CH 30.0m to 60.00m		1	30	2.4	0.04	2.88	
	CH 60.00m to 90.00m		1	30	2.4	0.04	2.88	
	CH 90.00m to 120.00m		1	15	2.4	0.04	1.44	
	CH 120.00m to 150.00m		~~1~~	—	~~2.4~~	—	0	
	CH 150.00m to 180.00m		1	30	2.4	0.04	2.88	
	CH 180.00m to 205.00m		1	30	2.4	0.04	2.88	
	6th Cross					—		
	CH 0.00m to 30.00m		1	30	2	0.04	2.4	
	CH 30.0m to 60.00m		1	30	2	0.04	2.4	
					Net Qty		**126.82**	

RBI-TECHNICAL SERVICES

Proprietor

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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57

BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of the work: Improvements to roads in Angala Parameshwari temple road from Bhadrappa main road upto Shubham Apartments in ward No. 8, Kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 13								
Item name:-		Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.133 of PWDSR 2015-16)						
SL No	**Particulars**	**Unit**	**Nos**	**L**	**B**	**D**	**Qty**	**Remarks**
1	2	3	4	5	6	7	8	9
Date of Mreasurments								
		Cum						
	Qty same as item no 2						268.75	
					Net Qty		268.75	

2/3/18

Asst.Engineer
Ward no.08 BBMP

RBI-TECHNICAL SERVICES

Proprietor

Asst.Executive Engineer
Kodigehalli sub division
BBMP

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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58

BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of work: Special repairs to Samudhaya bhavan in AK colony in ward no. 8, kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 40

Item name:- Dismantling plastering and removing the debris with a lead upto 200m including cost of materials, labour, HOM of machineries complete as per specifications. (PWDSR 2015-16, P. 258, I. 37.50)

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Date of Mreasurments							
	AK colony samudhaya bhavan	sqm						
	Long walls including beams inside		2	11.50		3.00	69.00	
	Long walls including beams outside		2	11.50		3.15	72.45	
	short walls including beams inside		2	4.00		3.00	24.00	
	Short walls including beams outside		1	4.50		3.15	14.18	
	ceiling		1	11.50		4.50	51.75	
	Parapet wall		2	35.64		0.90	64.15	
	Deduct for door both sides		2	1.20		2.10	-5.04	
	Deduct for windows both sides		8	1.30		1.20	-12.48	
						Net Qty	278.01	

For RBI-TECHNICAL SERVICES

Proprietor

RW-08

24/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

MEASURMENT SHEETS

Name of work: Special repairs to Samudhaya bhavan in AK colony in ward no. 8, kodigehalli

Name of Agency : Sir G N Ramesh

Item No:- 41

Item name:- KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 113 / Item No. 15.21 / PWD SR -2015-16

SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Mreasurments								
	Ceiling	Sqm	1.00	11.50		4.0	46.0	
						Net Qty	46.0	

RBI-TECHNICAL SERVICES

Proprietor

RW.08 9/2/18

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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